AMENDMENTS TO THE CLAIMS

1. (Currently amended) A system for sharing secure sockets layer (SSL) sessions across multiple processes comprising:

an application process;

an SSL daemon process;

an SSL wrapper process; and

a plurality of SSL application programming interface (API) calls for communication between the application process and SSL wrapper process, for communication between the SSL wrapper process and the SSL daemon process, and for communication between the SSL daemon process and at least one SSL session.

- 2. (Currently amended) The system of claim 1 wherein the SSL wrapper process receives a requests for an SSL sessions from an application program, determines awhether the request is for a shared or unshared SSL session, passes the requests for thea shared SSL session to the SSL daemon process, receives a return code from the SSL daemon process, and passes the return code to the application program.
- 3. (Original) The system of claim 2 wherein the requests received by the SSL wrapper process include a first input parameter, the first input parameter indicating whether or not a shared SSL session is requested.
- 4. (Original) The system of claim 2 wherein the SSL wrapper process receives a second input parameter and passes the second input parameter to the SSL daemon process, the second input parameter comprising the data the application process requests secured by an SSL session.
- 5. (Original) The system of claim 2 wherein the SSL daemon process receives a request for a shared SSL session from the SSL wrapper process, passes requests for a shared SSL session to a shared SSL session, receives a return code from the SSL session, and passes the return code to the SSL wrapper process.

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- 6. (Original) The system of claim 4 wherein the SSL daemon process receives a second input parameter from the application process and passes the second input parameter to the SSL session.
- 7. (Currently amended) A method for sharing secure sockets layer (SSL) sessions across multiple processes, comprising:

receiving, by at least one SSL wrapper process, receiving a request for a shared SSL session from an application process;

receiving, by an SSL daemon process, receiving at least one request for a shared SSL session from the SSL wrapper process;

calling, by the SSL daemon process, calling at least one SSL session;

receiving, by the SSL daemon process, receiving at least one return code from at least one called SSL session;

receiving by at least one SSL wrapper process, receiving at least one return code from the SSL daemon process; and

passing by, at least one SSL wrapper process, passing a return code to the application process.

- 8. (Original) The method in claim 7 wherein a request for an SSL session includes a first input parameter, the first input parameter indicating whether or not a shared SSL session is requested.
- 9. (Original) The method of claim 7 wherein the SSL wrapper process communicates with the application process using SSL application programming interface (API) calls, the SSL wrapper process communicates with the SSL daemon process using SSL application programming interface (API) calls, and the SSL daemon process communicates with SSL sessions using SSL application programming interface (API) calls.
 - 10. (Original) An article of manufacture comprising:

a computer useable medium having computer readable program code embodied therein for performing a medical for also ing secure sockets layer (SSL) sessions scross multiple processes, the computer readable program in-suid-unid-unidad-of-manufactures in mathed computers:

winder himself in the engine and the continue a computer to receipt an SSL winder an application proceed:

to passing by the SSL wrapper process. These request for a chered-SSL cession to an Mail decrees process, when the request is for the shared SSL session:

deemon process, when the request is for the shared SSL session;

computer readable progrum code-Rer-vauving a-vauguter to reverve at least was request for a shared SSL session

... ... -to-revelvinge. by the SSL wrapper prop**ess, a return code from the SSL acasion,** <u>when the request is for</u> the unclined SSL session. rand to pass a sature code to an SSL wrappor process.

(Commits amended) The article of manufacture of claim 10-father

for us 661 version, wherein the request includes a first input parameter indicating

Whether the request in for theor not a shared SSL session or the unabased SSL session.

12. (Currently annualed) The article of manufacture of cirin 1140-forther completing to the control of the cont

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REMARKS

In response to the Office Action dated September 24, 2004, Applicant respectfully requests reconsideration based on the shove claim amondments and the following remarks. Applicant respectfully submits that the claims as presented are in condition for allowance.

Claims 1-12 are pending in this application. Claims 1, 2, 7, and 10-12 are amended. Claims 1, 2, 7, and 10-12 contain no new matter and are supported by the original application, including the drawings and the original elaims.

Claims 1-6 and 10-12 were rejected under 35 W.S.C. 6 112, accord paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicant regards as the invention.

Claims 1, 2, 7, and 10-12 are amended. Claims I and 7 are amended to provide entecedent basis for "the SSL deemon process". Claim 7 is amended to correct method claim format so that each element begins with a genind. Claims 1, 2, 10, 11, and 12 are amended to clarify the subject matter that Applicant regards as the invention.

Claim 1 was rejected under 35 U.S.C. 9 103(a) as being unpatentable over U.S. Patent No. 5,657,390 to Eigennal et al. ("Elgamal") in view of an online glossary definition of the term "Stunnel" by Trojnara et al. ("Stunnel").

A prima facta case of obviousness under 35 U.S.C. § 103(a) requires that the combination of references teach or suggest all the claim elements. The proposed combination of Elgamal and Stumel in the Office Action fails to teach or suggest all the claim elements, because it fails to teach or suggest all the

using SSL API calls to communicate with an SSL wrapper process.

The Office Action states 'Elgamal does not teach the SSI, wrapper process."

(Office Action, page 3, para 5) Furthermore, Studiel fails to teach or suggest an application process using SSL API calls to communicate with an SSL wrapper process. For at least these reasons, claim 1 is patentable over the combination of Elgamal and Studiel, as discussed below.

Claim I recites, inter alia, "a plurality of SSL application programming interface (API) calls for communication between the application process and SSL wrapper

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process". The claimed invention is very different from Stunnel. Stunnel states "The concept is that having non-SSL aware decinous funning on your system you can easily setup them to communicate with clients over secure SSL cliented." (Spinnel, page 1, demonstrated against, second sentence). In other words, Stunnel allows regular server applications, i.e., servers using straight socket APIs rather than SSL APIs, to connect to a local proper that communicates with remote elients using SSL. As a result, the server application has no idea that SSL is being used. In the claimed invention, the local server applications are SSL aware, because the application process uses SSL. API calls to communicate with an SSL wrapper process.

Studied uses similar terminology, which is probably a cause of confusion. Studied uses the term "SSL encryption wrapper" for something that intercepts socket APIs issued by non-SSL aware applications and then generates SSL APIs that are issued. The so called "SSL encryption wrapper" of Studied acts as a proxy that noither the elient or server application knows exists. Communication in and out of the server application is standard sockets in Studied. Communication between the server mode and the remote elient is standard SSL in Studied. Conceptually, there is a standard socket between the corver application and the "SSL encryption wrapper" intening in the server and a standard the "SSL session between the "SSL encryption wrapper" and the remote elient. Any data that the "SSL encryption wrapper" receives over the socket is sent over the SSL, session and vice-versa. Studied is simply one of many ways of implementing an SSL proxy that enables SSL to be used by application that have no knowledge of SSL. In the claimed invention, by contrast, the application process is aware of the SSL session and issues SSL APIs (not socket APIs). Studied fails to disclose SSL-aware applications. Therefore, claim 1 is patentable over the combination of Edgamal and Stumes.

Claims 7, 8, 10-12 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Ferent No. 6,772,333 Bi to Brondel et al. ("Brendel") in view of Stumel.

A prima facts case of obviousness under 35 U.S.C. § 103(a) requires that the combination of references teach or suggest all the claim elements. The proposed combination of Blandel and Stumel in the Office Action fails to teach or suggest all the claim elements, because it fails to teach or suggest, for example, a shared SSL session.

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